

Message

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**From:** O'Loughlin, Connor [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D1F369DA6C9547ED90366BFB7C59510B-OLOUGHLIN,]  
**Sent:** 2/8/2018 2:59:41 PM  
**To:** Gordon, Stephanie A. (DNREC) [Stephanie.Gordon@state.de.us]  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Steph,

I will be hopping on a plane at 3:20 today to head to Vermont.

Connor

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**From:** Gordon, Stephanie A. (DNREC) [mailto:Stephanie.Gordon@state.de.us]  
**Sent:** Thursday, February 08, 2018 9:39 AM  
**To:** O'Loughlin, Connor <oloughlin.connor@epa.gov>; Jamie.Mack@state.de.us  
**Cc:** Salahuddin, Qazi (DNREC) <Qazi.Salahuddin@state.de.us>  
**Subject:** Fw: Town of Blades Public Wells - Preliminary Results

Connor,  
The call may be moved to 3 or 4pm. Are you available at that time?

Jamie,  
Can you please include Connor on any updates and forward him the invite?

Thanks,  
Steph

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**From:** Mack, Jamie (DHSS)  
**Sent:** Thursday, February 8, 2018 9:08:44 AM  
**To:** Crofts, Marjorie A. (DNREC); Gordon, Stephanie A. (DNREC); Salahuddin, Qazi (DNREC); Mensch, Keith (DHSS)  
**Cc:** Ratsep, Timothy T. (DNREC)  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

All—

Rick is having trouble getting to his office because of the Eagles parade, we're likely going to have to shift the call to later in the day. Possibly in the 3-4 timeframe.

Will let you know.

Jamie

**JAMIE MACK**  
*Policy Lead and Technical Advisor*  
*Acting Section Chief – Health Systems Protection*

Delaware Department of Health and Social Services  
Division of Public Health  
Jesse Cooper Building  
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[jamie.mack@state.de.us](mailto:jamie.mack@state.de.us)



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**From:** Crofts, Marjorie A. (DNREC)  
**Sent:** Thursday, February 08, 2018 8:33 AM  
**To:** Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>; Mack, Jamie (DHSS) <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>;  
Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Mensch, Keith (DHSS) <[Keith.Mensch@state.de.us](mailto:Keith.Mensch@state.de.us)>  
**Cc:** Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

For my staff that will be in Dover, I reserved the WHS conference room.

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**From:** Gordon, Stephanie A. (DNREC)  
**Sent:** Thursday, February 08, 2018 8:21 AM  
**To:** Mack, Jamie (DHSS) <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>; Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Mensch,  
Keith (DHSS) <[Keith.Mensch@state.de.us](mailto:Keith.Mensch@state.de.us)>  
**Cc:** Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Ratsep, Timothy T. (DNREC)  
<[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

12pm works for me as well. I haven't heard back from EPA Superfund or Removal. Did Rick mention if anyone else from EPA would be on the call?

Thanks,  
Steph

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**From:** Mack, Jamie (DHSS)  
**Sent:** Thursday, February 08, 2018 8:11 AM  
**To:** Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Mensch, Keith (DHSS) <[Keith.Mensch@state.de.us](mailto:Keith.Mensch@state.de.us)>;  
Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>  
**Cc:** Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Ratsep, Timothy T. (DNREC)  
<[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

OK. I'll send out an invite with call-in info at 12 unless I hear objections in the next hour or so.

Thanks

Jamie

**JAMIE MACK**  
*Policy Lead and Technical Advisor*  
*Acting Section Chief – Health Systems Protection*

ED\_005863\_00002739-00002

Delaware Department of Health and Social Services

Division of Public Health

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[jamie.mack@state.de.us](mailto:jamie.mack@state.de.us)



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**From:** Salahuddin, Qazi (DNREC)

**Sent:** Thursday, February 08, 2018 8:10 AM

**To:** Mensch, Keith (DHSS) <[Keith.Mensch@state.de.us](mailto:Keith.Mensch@state.de.us)>; Mack, Jamie (DHSS) <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>; Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>

**Cc:** Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>

**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Hi – we have our Division Recognition Ceremony at that time. Tim and I can do 12 p.m. and will need the conf. number to call. Thanks!

*Qazi Salahuddin, Ph.D., CHMM*

Program Manager II

Dept. of Natural Resource and Environmental Control

Site Investigation and Restoration Section (SIRS)

Phone: 302-395-2640

Fax: 302-395-2601

Email: [qazi.salahuddin@state.de.us](mailto:qazi.salahuddin@state.de.us)

*Integrity, Respect, Customer Focus, Openness, Quality*

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**From:** Mensch, Keith (DHSS)

**Sent:** Thursday, February 08, 2018 8:08 AM

**To:** Mack, Jamie (DHSS) <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>; Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>

**Cc:** Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>

**Subject:** RE: Town of Blades Public Wells - Preliminary Results

11:00 works for me.

**Keith Mensch, REHS/RS**

Program Administrator

Office of Drinking Water

Division of Public Health

Delaware Department of Health and Social Services

43 S. DuPont Hwy., Dover, DE 19901  
Office: 302-741-8589  
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**From:** Mack, Jamie (DHSS)  
**Sent:** Thursday, February 08, 2018 8:04 AM  
**To:** Mensch, Keith (DHSS) <[Keith.Mensch@state.de.us](mailto:Keith.Mensch@state.de.us)>; Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>  
**Cc:** Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Rick is available for a conference call before 1 or after 3:30. Would 11 am work for everyone? I can provide a conference line if needed.

Jamie

**JAMIE MACK**  
*Policy Lead and Technical Advisor*  
*Acting Section Chief – Health Systems Protection*

Delaware Department of Health and Social Services  
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**From:** Mensch, Keith (DHSS)  
**Sent:** Wednesday, February 07, 2018 4:23 PM  
**To:** Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>  
**Cc:** Mack, Jamie (DHSS) <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>; Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Thanks, Steph. I spoke with Rick Rogers shortly after speaking with you late yesterday.

I've been out with a sick kid today, but I understand one of my staff contacted Blades' water operator today to confirm that there are no backup wells or interconnections with other public water systems, but I don't know the extent of that conversation, i.e., whether or not the PFAS issue was communicated.

I'll plan to be on the call tomorrow.

Thanks,

Keith Mensch, REHS/RS  
Program Administrator  
Office of Drinking Water  
43 S. DuPont Hwy.  
Dover, DE 19901  
Ph: 302.741.8589  
Fax: 302.741.8631

On Feb 7, 2018 4:11 PM, "Gordon, Stephanie A. (DNREC)" <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)> wrote:

All,

There was a miscommunication and apparently EPA and DPH did not yet notify the Town of Blades. I spoke with Rick Rogers from EPA Office of Drinking Water and Jamie Mack from DPH this afternoon and they both said that their agencies did not contact the town. EPA and DPH are looking to DNREC to contact the town.

Jamie and I would like to have a conference call tomorrow with EPA to make sure that we are all on the same page. Let me know if you want to join.

Thanks,  
Steph

Steph Gordon  
Environmental Scientist  
Dept. of Natural Resources and Environmental Control  
Site Investigation and Restoration Section (SIRS)  
391 Lukens Drive  
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Phone: 302-395-2654  
Fax: 302-395-2601  
Email: [Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)

---

**From:** Crofts, Marjorie A. (DNREC)  
**Sent:** Wednesday, February 07, 2018 1:59 PM  
**To:** Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>; Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>  
**Subject:** Fwd: Town of Blades Public Wells - Preliminary Results

Please include Jamie Mack on emails from this point on. Thanks.

Sent from my Verizon 4G LTE smartphone

----- Original message -----

From: "Mack, Jamie (DHSS)" <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>  
Date: 2/7/18 1:55 PM (GMT-05:00)  
To: "Crofts, Marjorie A. (DNREC)" <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>  
Subject: RE: Town of Blades Public Wells - Preliminary Results

Thanks. I'll connect with ODW to make sure they are aware.

Jamie

**JAMIE MACK**

*Policy Lead and Technical Advisor*

*Acting Section Chief – Health Systems Protection*

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[jamie.mack@state.de.us](mailto:jamie.mack@state.de.us)



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**From:** Crofts, Marjorie A. (DNREC)  
**Sent:** Wednesday, February 07, 2018 1:51 PM  
**To:** Mack, Jamie (DHSS) <[Jamie.Mack@state.de.us](mailto:Jamie.Mack@state.de.us)>  
**Subject:** Fwd: Town of Blades Public Wells - Preliminary Results

Sent from my Verizon 4G LTE smartphone

----- Original message -----

From: "Gordon, Stephanie A. (DNREC)" <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>  
Date: 2/7/18 1:37 PM (GMT-05:00)  
To: "Crofts, Marjorie A. (DNREC)" <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>, "Ratsep, Timothy T. (DNREC)" <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>, "Salahuddin, Qazi (DNREC)" <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>, "Holmes, Virgil (DNREC)" <[Virgil.Holmes@state.de.us](mailto:Virgil.Holmes@state.de.us)>  
Subject: RE: Town of Blades Public Wells - Preliminary Results

All,  
We have the final results from the lab now, and they are the same as the preliminary results. Qazi and I spoke with Connor at EPA and left a message at DPH.

DPH and EPA have already notified the town of Blades. EPA is meeting with their PFAS team at 3:30 to discuss the path forward. EPA Removal folks are planning to sample the blended public water, nearby private wells, etc. They are also looking into a temporary treatment system for the public wells.

-Steph

---

**From:** Crofts, Marjorie A. (DNREC)  
**Sent:** Wednesday, February 07, 2018 11:16 AM  
**To:** Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>; Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>; Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Holmes, Virgil (DNREC) <[Virgil.Holmes@state.de.us](mailto:Virgil.Holmes@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Thanks Steph.

---

**From:** Gordon, Stephanie A. (DNREC)  
**Sent:** Wednesday, February 07, 2018 10:18 AM  
**To:** Ratsep, Timothy T. (DNREC) <[Timothy.Ratsep@state.de.us](mailto:Timothy.Ratsep@state.de.us)>; Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Crofts, Marjorie A. (DNREC) <[Marjorie.Crofts@state.de.us](mailto:Marjorie.Crofts@state.de.us)>; Holmes, Virgil (DNREC) <[Virgil.Holmes@state.de.us](mailto:Virgil.Holmes@state.de.us)>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Marj,

Randy left a voicemail with Test America earlier today asking when we will have final results, and we are waiting to hear back. As this moment, we still do not have final results. I will let everyone know when we have an answer.

We don't have a contract for treatment of public wells but have used Sharp Water Culligan in the past to add treatment to private wells. At nonresponsive based on revised scope the town's engineering firm designed the system and we reimbursed them later.

I spoke with Keith Mensch at DPH yesterday and we were waiting to hear back from EPA Division of Water. This is an exceedance of a HAL and not an MCL so it adds a level of complexity. Keith said he would be out of the office today but would be checking email.

I will check in with EPA again.

-Steph

---

**From:** Ratsep, Timothy T. (DNREC)  
**Sent:** Tuesday, February 06, 2018 8:12 PM  
**To:** Salahuddin, Qazi (DNREC) <[Qazi.Salahuddin@state.de.us](mailto:Qazi.Salahuddin@state.de.us)>; Gordon, Stephanie A. (DNREC) <[Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)>  
**Subject:** Fwd: Town of Blades Public Wells - Preliminary Results

Sent from my iPhone

Begin forwarded message:

**From:** "Crofts, Marjorie A. (DNREC)" <Marjorie.Crofts@state.de.us>  
**Date:** February 6, 2018 at 6:53:33 PM EST  
**To:** "Ratsep, Timothy T. (DNREC)" <Timothy.Ratsep@state.de.us>, "Holmes, Virgil (DNREC)" <Virgil.Holmes@state.de.us>  
**Cc:** DNREC Secretary <shawnm.garvin@state.de.us>  
**Subject:** RE: Town of Blades Public Wells - Preliminary Results

Tim and Steph,

When will we get final results? And do we have a contract to get a treatment system on the wells? Let us know when you hear back from DPH. We need to talk with them about options and reaching out to the town asap.

Marj

Sent from my iPad using [Mail+ for Outlook](#)

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**From:** Ratsep, Tim  
**Sent:** 2/6/18, 4:48 PM  
**To:** Crofts, Marjorie A. (DNREC), Holmes, Virgil (DNREC)  
**Subject:** Fwd: Town of Blades Public Wells - Preliminary Results  
May need to reach out to public health.

Begin forwarded message:

**From:** "Gordon, Stephanie A. (DNREC)" <Stephanie.Gordon@state.de.us>  
**Date:** February 6, 2018 at 4:29:58 PM EST  
**To:** "Ratsep, Timothy T. (DNREC)" <Timothy.Ratsep@state.de.us>, "Salahuddin, Qazi (DNREC)" <Qazi.Salahuddin@state.de.us>  
**Subject:** Town of Blades Public Wells - Preliminary Results

Tim/Qazi,

I notified EPA (Connor O'Loughlin) and DHSS-Office of Drinking Water (Keith Mensch) today of the preliminary results from the Town of Blades Public Wells. The preliminary results indicate that PFOS is above the Health Advisory Level of 70 parts per trillion (nanograms per liter) in all three wells. Attached are the results. To my knowledge, the public wells are not being treated with carbon and there are private wells nearby.

Let me know if there is anything else I should do at this time.

Thanks,  
Steph

Steph Gordon  
Environmental Scientist  
Dept. of Natural Resources and Environmental Control  
Site Investigation and Restoration Section (SIRS)

391 Lukens Drive  
New Castle, DE 19720  
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Email: [Stephanie.Gordon@state.de.us](mailto:Stephanie.Gordon@state.de.us)